查询CMSD7000供应商

NEW

CMSD7000

SUPER-MINI
DUAL SILICON SWITCHING DIODE
SERIES CONNECTION

SUPER mini

SOT-323 CASE

Central™
Semiconductor Corp.

DESCRIPTION

The CENTRAL SEMICONDUCTOR CMSD7000 type is a ultra-high speed silicon switching diodes manufactured by the epitaxial planar process, in an epoxy molded super-mini surface mount package, connected in a series configuration, designed for high speed switching applications.
Marking Code is 5CC.

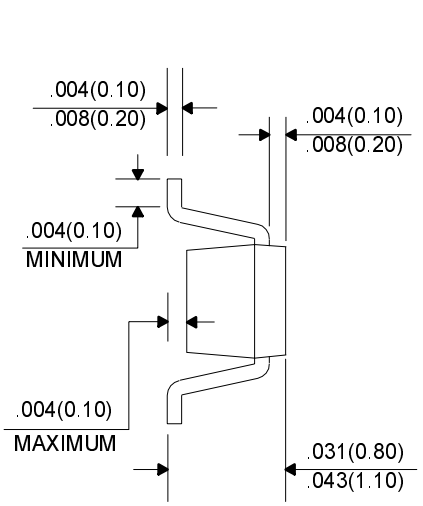
MAXIMUM RATINGS (T_A=25°C)

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	100	V
Average Forward Current	I_O	200	mA
Peak Forward Current	I_{FM}	500	mA
Power Dissipation	P_D	250	mW
Operating and Storage Junction Temperature °C	T_J,T_{stg}	-65 to +150	
Thermal Resistance	Θ_{JA}	500	°C/W

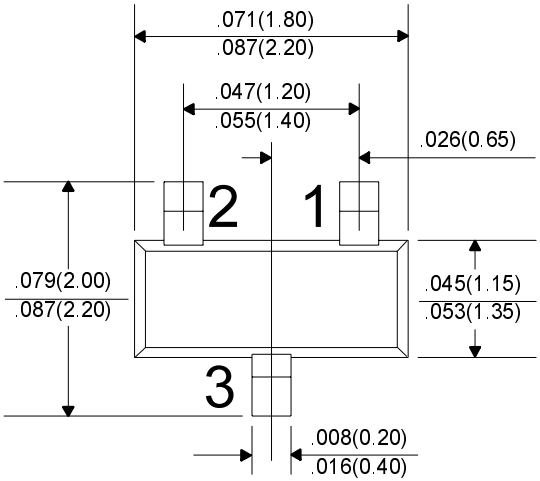
ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

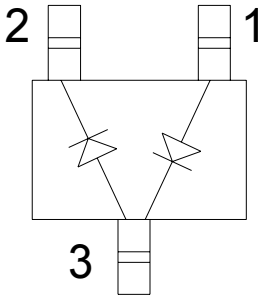
SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
BV_R	I_R=100μA	100			V
I_R	V_R=50V			300	nA
I_R	V_R=50V, T_A=125°C			100	μA
I_R	V_R=100V			500	nA
V_F	I_F=1.0mA	0.55		0.70	V
V_F	I_F=10mA	0.67		0.82	V
V_F	I_F=100mA	0.75		1.10	V
C_T	V_R=0, f=1 MHz			1.5	pF
t_{rr}	I_R=I_F=10mA, R_L=100Ω, Rec. to 1.0mA		2.0	4.0	ns

All Dimensions in Inches (mm).



TOP VIEW





Lead Code:

1) Anode 2
2) Cathode 1
3) Anode 1, Cathode 2